

*Millennium Signatures*  
MARKING SYSTEMS

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**Emergency Numbers**

**Canutec: (613) 996-6666**  
**Poison ControlCentre:**

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## **MATERIAL SAFETY DATA SHEET**

### **Section I**

**Chemical Name:** X4R - 414

**Formula:** Trade Secret

### **Section II      **Hazardous Ingredients/ Identity Information****

Nitrate Salts (Trade Secret) 8%

Chlorate Salts (Trade Secret) 4%

### **Section III      **Physical/ Chemical Characteristics****

**Boiling Point:** 212 Degrees (F)

**Specific Gravity:** 1.078

**Vapour Pressure (mm Hg) @ 25 Degrees (C) [ 77 Degrees (F)]:** 23.7

**Melting Point:** N/A

**Vapour Density (AIR – 1):** N/A

**Evaporation Rate:** N/A

**Solubility in Water:** Complete (100%)    (Butyl Acetate – 1)

**Appearance:** Clear, Slight Odour

### **Section IV      **Fire and Explosion Hazard Data****

**Flash Point:** N/ A

**Flammable Limits:** N/A

**ph:** 6.85

**Extinguishing Media:** N/A

**Spec. Fire Fighting Procedures:** N/A

**Unusual Fire & Explosion Hazards:** N/A

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### **Section V          Reactivity Data**

**Stability:** Stable

**Conditions to Avoid:** N/A

**Incompatibility (Materials to Avoid):** Reducing Agents, combustible materials

**Hazard Polymerization:** Will not occur

**Hazardous Decomposition or By-Products:** None

**Conditions to Avoid:** N/A

### **Section VI          Health Hazard Data**

#### **Route(s) of Entry:**

**Inhalation:** N/A

**Skin:** Y

**Ingestion:** Y

#### **Health Hazards (Acute & Chronic):**

**Ingestion:** Irritating on contact

**Skin and Eyes:** Irritating on contact.

**Carcinogenicity: NTP: IARC Monographs:** No

**OSHA Regulated:** No

#### **Signs and Symptoms of exposure:**

**Ingestion:** Facial discoloration, nausea

**Skin and Eyes:** Mild burning

**Medical conditions generally aggravated by exposure:** Dermatitis may possibly be aggravated

#### **Emergency and First Aid Procedures:**

**Ingestion:** Induce vomiting and call a physician

**Skin and Eyes:** Flush thoroughly with water for fifteen minutes; Call a physician.

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### **Section VII Precautions for Safe Handling and Use**

#### **Steps to be taken in case material is released or spilled:**

**Small Spills:** Flush with to sewer

**Large Spills:** Use suitable absorbent and dispose of in dot approved waste containers

**Waste Disposal:** To be performed in compliance with all current local, provincial and federal regulations

**Precautions to be taken in handling and storing:** Keep containers tightly closed, and keep from freezing (32 degrees [F]). Wash hands thoroughly after handling

**Other precautions:** None

### **Section VIII Control Measures**

**Respiratory Protections (specify type):** Non Applicable

**Ventilation:** Local exhaust is sufficient

**Protective gloves:** Optional- for sensitive skin

**Eye protection:** For extra protection, wear safety goggles

**Other protective clothing or equipment:** Optional- Apron

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